Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

EMB

"FIRST AND FINAL BILL"

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

EMB

"FIRST AND FINAL BILL"

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

EMB

"FIRST AND FINAL BILL"

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification							
	RCC Drain							
	Muneshwara layout							
	1st A main							
	LHS							
	Ch:0.00m to 30.00m		1	30.00	1.00	0.90	27.00	
	Ch:30.00m to 60.00m		1	30.00	1.00	0.90	27.00	
	Ch:60.00m to 61.20m		1	1.20	1.00	0.90	1.08	
	Culvert Gap							
	Ch:61.20m to 89.50m		1	28.30	1.00	0.90	25.47	
	Culvert Gap							
	Ch:89.50m to 113.40m		1	23.90	1.00	0.90	21.51	
	RHS							
	Ch:0.00m to 30.00m		1	30.00	1.00	0.90	27.00	
	Ch:30.00m to 60.00m		1	30.00	1.00	0.90	27.00	
	Ch:60.00m to 90.00m		1	30.00	1.00	0.90	27.00	
	Ch:90.00m to 119.40m		1	29.40	1.00	0.90	26.46	
	1st main from Dead End							
	RHS							
	Ch:0.00m to 30.00m		1	30.00	1.00	0.90	27.00	
	Ch:30.00m to 60.00m		1	30.00	1.00	0.90	27.00	
	Ch:60.00m to 77.90m		1	17.90	1.00	0.90	16.11	
	Culvert Gap							
	Ch:77.90m to 104.40m		1	26.50	1.00	0.90	23.85	
	Culvert Gap							
	Ch:104.4m to 130.30m		1	25.90	1.00	0.90	23.31	
	Culvert Gap							
	Ch:130.30m to 159.00m		1	28.70	1.00	0.90	25.83	
	Culvert Gap							
	Ch:159.00m to 186.00m		1	27.00	1.00	0.90	24.30	
	Culvert Gap							
	Ch:186.00m to 215.40m		1	29.40	1.00	0.90	26.46	
	Culvert Gap							

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

22/9/2020

Asst Exec. Engineer

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	7th main, 1st cross to Sandeep Unnikrishnan Road, RHS							
	Ch: 0.0 to 30.0m		1	30.00	1.20	0.90	32.40	
	Ch: 30.0 to 46.60m		1	16.60	1.20	0.90	17.93	
	Ch: 46.60 to 49.10m		1	2.50	1.20	0.90	2.70	
	Ch: 49.10 to 60.20m		1	11.10	1.20	0.90	11.99	
	Sandeep Unnikrishnan Road to 1st cross, LHS							
	Ch: 0.0 to 30.0m		1	30.00	1.20	0.90	32.40	
	Ch: 30.0 to 46.90m		1	16.90	1.20	0.90	18.25	
	Ch: 46.90 to 52.20m		1	5.30	1.20	0.90	5.72	
	Ch: 52.20 to 61.30m		1	9.10	1.20	0.90	9.83	
	8th main, 1st cross to Sandeep Unnikrishnan Road, LHS							
	Ch: 0.0 to 30.0m		1	30.00	1.00	0.90	27.00	
	Ch: 30.0 to 60.0m		1	30.00	1.00	0.90	27.00	
	Sandeep Unnikrishnan Road to 1st cross, RHS							
	Ch: 0.0 to 30.0m		1	30.00	1.00	0.90	27.00	
	Ch: 30.0 to 40.30m		1	10.30	1.00	0.90	9.27	
	Ch: 40.30 to 52.20m		1	11.90	1.00	0.90	10.71	
	8th main, 2nd cross to 1st cross, LHS							
	Ch: 0.0 to 30.0m		1	30.00	1.00	0.90	27.00	
	Ch: 30.0 to 57.30m		1	27.30	1.00	0.90	24.57	
	1st cross to 2nd cross, RHS							
	Ch: 0.0 to 20.10m		1	20.10	1.00	0.90	18.09	
	Ch: 20.10 to 23.80m		1	3.70	1.00	0.90	3.33	
	Ch: 23.80 to 38.0m		1	14.20	1.00	0.90	12.78	
	Ch: 38.0 to 45.60m		1	7.60	1.00	0.90	6.84	
	Ch: 45.60 to 57.60m		1	12.00	1.00	0.90	10.80	
	CULVERT							
	Muneshwara layout							
	1st main, RHS from End							
			1	5.00	1.80	0.90	8.10	
			1	4.20	1.80	0.90	6.80	
			1	3.80	1.80	0.90	6.16	
			1	5.50	1.80	0.90	8.91	
			1	4.20	1.80	0.90	6.80	
			1	5.00	1.80	0.90	8.10	C&F C
						Present Qty	**2437.61**	**Cum**

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

24/9/2020

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ಯಲಹಂಕ ಉಪವಿಭಾಗ
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Asst. Exec. Engineer,

Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Measurement Recorded On:

Item No	Discription of Item	Detailed Measurements						Unit
			No	Length	Breadth	Depth	Qty	
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.							
	RCC Drain							
	Muneshwara layout							
	1st A main							
	LHS							
	Ch:0.00m to 30.00m		1	30.00	1.00	0.15	4.50	
	Ch:30.00m to 60.00m		1	30.00	1.00	0.15	4.50	
	Ch:60.00m to 61.20m		1	1.20	1.00	0.15	0.18	
	Culvert Gap							
	Ch:61.20m to 89.50m		1	28.30	1.00	0.15	4.25	
	Culvert Gap							
	Ch:89.50m to 113.40m		1	23.90	1.00	0.15	3.59	
	RHS							
	Ch:0.00m to 30.00m		1	30.00	1.00	0.15	4.50	
	Ch:30.00m to 60.00m		1	30.00	1.00	0.15	4.50	
	Ch:60.00m to 90.00m		1	30.00	1.00	0.15	4.50	
	Ch:90.00m to 119.40m		1	29.40	1.00	0.15	4.41	
	1st main from Dead End							
	RHS							
	Ch:0.00m to 30.00m		1	30.00	1.00	0.15	4.50	
	Ch:30.00m to 60.00m		1	30.00	1.00	0.15	4.50	
	Ch:60.00m to 77.90m		1	17.90	1.00	0.15	2.69	
	Culvert Gap							
	Ch:77.90m to 104.40m		1	26.50	1.00	0.15	3.98	
	Culvert Gap							
	Ch:104.4m to 130.30m		1	25.90	1.00	0.15	3.89	
	Culvert Gap							
	Ch:130.30m to 159.00m		1	28.70	1.00	0.15	4.31	
	Culvert Gap							
	Ch:159.00m to 186.00m		1	27.00	1.00	0.15	4.05	
	Culvert Gap							
	Ch:186.00m to 215.40m		1	29.40	1.00	0.15	4.41	
	Culvert Gap							
	Ch:215.40m to 245.40m		1	30.00	1.00	0.15	4.50	

S&R C

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer,

25/9/2020

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Asst. Exec. Engineer,

No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 49.10 to 60.20m		1	11.10	1.20	0.15	2.00	
	Sandeep Unnikrishnan Road to 1st cross, LHS							
	Ch: 0.0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30.0 to 46.90m		1	16.90	1.20	0.15	3.04	
	Ch: 46.90 to 52.20m		1	5.30	1.20	0.15	0.95	
	Ch: 52.20 to 61.30m		1	9.10	1.20	0.15	1.64	
	8th main, 1st cross to Sandeep Unnikrishnan Road, LHS							
	Ch: 0.0 to 30.0m		1	30.00	1.00	0.15	4.50	
	Ch: 30.0 to 60.0m		1	30.00	1.00	0.15	4.50	
	Sandeep Unnikrishnan Road to 1st cross, RHS							
	Ch: 0.0 to 30.0m		1	30.00	1.00	0.15	4.50	
	Ch: 30.0 to 40.30m		1	10.30	1.00	0.15	1.55	
	Ch: 40.30 to 52.20m		1	11.90	1.00	0.15	1.79	
	8th main, 2nd cross to 1st cross, LHS							
	Ch: 0.0 to 30.0m		1	30.00	1.00	0.15	4.50	
	Ch: 30.0 to 57.30m		1	27.30	1.00	0.15	4.10	
	1st cross to 2nd cross, RHS							
	Ch: 0.0 to 20.10m		1	20.10	1.00	0.15	3.02	
	Ch: 20.10 to 23.80m		1	3.70	1.00	0.15	0.56	
	Ch: 23.80 to 38.0m		1	14.20	1.00	0.15	2.13	
	Ch: 38.0 to 45.60m		1	7.60	1.00	0.15	1.14	
	Ch: 45.60 to 57.60m		1	12.00	1.00	0.15	1.80	
	CULVERT							
	Muneshwara layout							
	1st main, RHS from End							
			1	5.00	1.80	0.15	1.35	
			1	4.20	1.80	0.15	1.13	
			1	3.80	1.80	0.15	1.03	
			1	5.50	1.80	0.15	1.49	
			1	4.20	1.80	0.15	1.13	
			1	5.00	1.80	0.15	1.35	C/F
						Present Qty	**406.27**	**Cum**

Contractor

NEWZEN CONSULTANTS Consultant Bangalore

Asst. Engineer

25/09/2020

Asst. Exec. Engineer,

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Measurement Recorded On:

Item No	Detailed Measurements Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments,							
	RCC Drain							
	Raft							
	Muneshwara layout							
	1st A main							
	LHS							
	Ch:0.00m to 30.00m		1	30.00	0.80	0.15	3.60	
	Ch:30.00m to 60.00m		1	30.00	0.80	0.15	3.60	
	Ch:60.00m to 61.20m		1	1.20	0.80	0.15	0.14	
	Culvert Gap							
	Ch:61.20m to 89.50m		1	28.30	0.80	0.15	3.40	
	Culvert Gap							
	Ch:89.50m to 113.40m		1	23.90	0.80	0.15	2.87	
	RHS							
	Ch:0.00m to 30.00m		1	30.00	0.80	0.15	3.60	
	Ch:30.00m to 60.00m		1	30.00	0.80	0.15	3.60	
	Ch:60.00m to 90.00m		1	30.00	0.80	0.15	3.60	
	Ch:90.00m to 119.40m		1	29.40	0.80	0.15	3.53	
	1st main from Dead End							
	RHS							
	Ch:0.00m to 30.00m		1	30.00	0.80	0.15	3.60	
	Ch:30.00m to 60.00m		1	30.00	0.80	0.15	3.60	
	Ch:60.00m to 77.90m		1	17.90	0.80	0.15	2.15	
	Culvert Gap							
	Ch:77.90m to 104.40m		1	26.50	0.80	0.15	3.18	
	Culvert Gap							
	Ch:104.4m to 130.30m		1	25.90	0.80	0.15	3.11	
	Culvert Gap							
	Ch:130.30m to 159.00m		1	28.70	0.80	0.15	3.44	
	Culvert Gap							
	Ch:159.00m to 186.00m		1	27.00	0.80	0.15	3.24	
	Culvert Gap							

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

15/10/2020

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ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು
Asst. Exec. Engineer,
ಬ.ಬ.ಎ.ಕ. ಬೆಂಗಳೂರು-106

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 38.0 to 45.60m		2	7.60	0.15	0.60	1.37	
	Ch: 45.60 to 57.60m		2	12.00	0.15	0.60	2.16	
	CULVERT							
	RAFT							
	Muneshwara layout							
	1st main, RHS from End							
			1	5.00	1.50	0.20	1.50	
			1	4.20	1.50	0.20	1.26	
			1	3.80	1.50	0.20	1.14	
			1	5.50	1.50	0.20	1.65	
			1	4.20	1.50	0.20	1.26	
			1	5.00	1.50	0.20	1.50	
	WALL							
	Muneshwara layout							
	1st main, RHS from End							
			2	5.00	0.25	0.60	1.50	
			2	4.20	0.25	0.60	1.26	
			2	3.80	0.25	0.60	1.14	
			2	5.50	0.25	0.60	1.65	
			2	4.20	0.25	0.60	1.26	
			2	5.00	0.25	0.60	1.50	C&F
						Present Qty	**796.83**	**Cum**

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
Asst. Exec. Engineer.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು.

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Measurement Recorded On:

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications							
	RCC Drain							
	Wall							
	Muneshwara layout							
	1st A main							
	LHS							
	Ch:0.00m to 30.00m		4	30.00		0.60	72.00	
	Ch:30.00m to 60.00m		4	30.00		0.60	72.00	
	Ch:60.00m to 61.20m		4	1.20		0.60	2.88	
	Culvert Gap							
	Ch:61.20m to 89.50m		4	28.30		0.60	67.92	
	Culvert Gap							
	Ch:89.50m to 113.40m		4	23.90		0.60	57.36	
	RHS							
	Ch:0.00m to 30.00m		4	30.00		0.60	72.00	
	Ch:30.00m to 60.00m		4	30.00		0.60	72.00	
	Ch:60.00m to 90.00m		4	30.00		0.60	72.00	
	Ch:90.00m to 119.40m		4	29.40		0.60	70.56	
	1st main from Dead End							
	RHS							
	Ch:0.00m to 30.00m		4	30.00		0.60	72.00	
	Ch:30.00m to 60.00m		4	30.00		0.60	72.00	
	Ch:60.00m to 77.90m		4	17.90		0.60	42.96	
	Culvert Gap							
	Ch:77.90m to 104.40m		4	26.50		0.60	63.60	
	Culvert Gap							
	Ch:104.4m to 130.30m		4	25.90		0.60	62.16	
	Culvert Gap							
	Ch:130.30m to 159.00m		4	28.70		0.60	68.88	
	Culvert Gap							
	Ch:159.00m to 186.00m		4	27.00		0.60	64.80	
	Culvert Gap							
	Ch:186.00m to 215.40m		4	29.40		0.60	70.56	
	Culvert Gap							
	Ch:215.40m to 245.40m		4	30.00		0.60	72.00	

CNF-C

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer,

Asst. Exec. Engineer,

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 46.60m		4	16.60		0.60	39.84	
	Ch: 46.60 to 49.10m		4	2.50		0.60	6.00	
	Ch: 49.10 to 60.20m		4	11.10		0.60	26.64	
	Sandeep Unnikrishnan Road to 1st cross, LHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 46.90m		4	16.90		0.60	40.56	
	Ch: 46.90 to 52.20m		4	5.30		0.60	12.72	
	Ch: 52.20 to 61.30m		4	9.10		0.60	21.84	
	8th main, 1st cross to Sandeep Unnikrishnan Road, LHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 60.0m		4	30.00		0.60	72.00	
	Sandeep Unnikrishnan Road to 1st cross, RHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 40.30m		4	10.30		0.60	24.72	
	Ch: 40.30 to 52.20m		4	11.90		0.60	28.56	
	8th main, 2nd cross to 1st cross, LHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 57.30m		4	27.30		0.60	65.52	
	1st cross to 2nd cross, RHS							
	Ch: 0.0 to 20.10m		4	20.10		0.60	48.24	
	Ch: 20.10 to 23.80m		4	3.70		0.60	8.88	
	Ch: 23.80 to 38.0m		4	14.20		0.60	34.08	
	Ch: 38.0 to 45.60m		4	7.60		0.60	18.24	
	Ch: 45.60 to 57.60m		4	12.00		0.60	28.80	
	CULVERT							
	WALL							
	Muneshwara layout							
	1st main, RHS from End							
			4	5.00		0.60	12.00	
			4	4.20		0.60	10.08	
			4	3.80		0.60	9.12	
			4	5.50		0.60	13.20	
			4	4.20		0.60	10.08	
			4	5.00		0.60	12.00	
						Present Qty	**6261.84**	**Sqm**

Contractor

NEWZEN CONSULTANT Consultant

Asst. Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
Asst. Exec. Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 46.60m		4	16.60		0.60	39.84	
	Ch: 46.60 to 49.10m		4	2.50		0.60	6.00	
	Ch: 49.10 to 60.20m		4	11.10		0.60	26.64	
	Sandeep Unnikrishnan Road to 1st cross, LHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 46.90m		4	16.90		0.60	40.56	
	Ch: 46.90 to 52.20m		4	5.30		0.60	12.72	
	Ch: 52.20 to 61.30m		4	9.10		0.60	21.84	
	8th main, 1st cross to Sandeep Unnikrishnan Road, LHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 60.0m		4	30.00		0.60	72.00	
	Sandeep Unnikrishnan Road to 1st cross, RHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 40.30m		4	10.30		0.60	24.72	
	Ch: 40.30 to 52.20m		4	11.90		0.60	28.56	
	8th main, 2nd cross to 1st cross, LHS							
	Ch: 0.0 to 30.0m		4	30.00		0.60	72.00	
	Ch: 30.0 to 57.30m		4	27.30		0.60	65.52	
	1st cross to 2nd cross, RHS							
	Ch: 0.0 to 20.10m		4	20.10		0.60	48.24	
	Ch: 20.10 to 23.80m		4	3.70		0.60	8.88	
	Ch: 23.80 to 38.0m		4	14.20		0.60	34.08	
	Ch: 38.0 to 45.60m		4	7.60		0.60	18.24	
	Ch: 45.60 to 57.60m		4	12.00		0.60	28.80	
	CULVERT							
	WALL							
	Muneshwara layout							
	1st main, RHS from End							
			4	5.00		0.60	12.00	
			4	4.20		0.60	10.08	
			4	3.80		0.60	9.12	
			4	5.50		0.60	13.20	
			4	4.20		0.60	10.08	
			4	5.00		0.60	12.00	
						Present Qty	**6261.84**	**Sqm**

Contractor

NEWZEN CONSULTANT Consultant

Asst. Engineer

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Asst. Exec. Engineer,

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.						
	Asphalt Roads						
	Muneshwara Layout						
	1st A main						
	Ch:0.00m to 30.00m	1	30.00	(7.60 + 6.90)/2	0.30	65.25	
	Ch:30.00m to 60.00m	1	30.00	(6.90 + 6.60)/2	0.30	60.75	
	Ch:60.00m to 90.00m	1	30.00	(6.60 + 6.80)/2	0.30	60.30	
	Ch:90.00m to 120.00m	1	30.00	(6.80 + 5.90)/2	0.30	57.15	
	Ch:120.00m to 150.00m	1	30.00	(5.90 + 5.20)/2	0.30	49.95	
	Ch:150.00m to 180.00m	1	30.00	(5.20 + 5.60)/2	0.30	48.60	
	Ch:180.00m to 195.30m	1	15.30	(5.60 + 5.50)/2	0.30	25.47	
	6th cross Left Side						
	Ch:0.00m to 30.00m	1	30.00	(3.80 + 4.00)/2	0.30	35.10	
	Ch:30.00m to 55.30m	1	25.30	(4.00 + 3.90)/2	0.30	29.98	
	6th A cross						
	Ch:0.00m to 30.00m	1	30.00	(4.20 + 3.60)/2	0.30	35.10	
	Ch:30.00m to 60.00m	1	30.00	(3.60 + 3.80)/2	0.30	33.30	
	Ch:60.00m to 66.00m	1	6.00	(3.80 + 3.60)/2	0.30	6.66	
	6th B cross						
	Ch:0.00m to 30.00m	1	30.00	(3.60 + 3.70)/2	0.30	32.85	
	Ch:30.00m to 60.00m	1	30.00	(3.70 + 4.00)/2	0.30	34.65	C&FC

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

15/10/2020

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ಯಲಹಂಕ ನಾಡಪ್ರಭು ಕೆಂಪೇಗೌಡ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10
Asst. Exec. Engineer.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Rallies Colony						
	6th A main						
	Ch:0.00m to 30.00m	1	30.00	$\frac{5.60 + 5.10}{2}$	0.25	40.13	
	Ch:30.00m to 60.00m	1	30.00	$\frac{5.10 + 5.40}{2}$	0.25	39.38	
	Ch:60.00m to 90.00m	1	30.00	$\frac{5.40 + 5.80}{2}$	0.25	42.00	
	Ch:90.00m to 96.20m	1	6.20	$\frac{5.80 + 5.80}{2}$	0.25	8.99	
	7th A main						
	Ch:0.00m to 30.00m	1	30.00	$\frac{5.60 + 5.90}{2}$	0.30	51.75	
	Ch:30.00m to 60.00m	1	30.00	$\frac{5.90 + 5.90}{2}$	0.30	53.10	
	Ch:60.00m to 90.00m	1	30.00	$\frac{5.90 + 5.80}{2}$	0.30	52.65	
	Ch:90.00m to 120.00m	1	30.00	$\frac{5.80 + 5.00}{2}$	0.30	48.60	
	Ch:120.00m to 122.90m	1	2.90	$\frac{5.00 + 5.00}{2}$	0.30	4.35	C&FC.
					Present Qty	**2012.23**	**Cum**

Contractor

NEWZEN CONSULTANT ★Consultant★ Bangalore

Asst. Engineer

15/10/2020

Asst. Exec. Engineer,

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down sizegraded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications.						
	CC Road						
	Muneshwara layout leadoff road						
	Ch:0.0m to 30.00m	1	30.00	(2.20 + 2.20)/2	0.15	9.90	
	Ch:30.0m to 60.00m	1	30.00	(2.20 + 2.00)/2	0.15	9.45	
	Ch:60.0m to 90.00m	1	30.00	(2.00 + 2.20)/2	0.15	9.45	
	Ch:90.0m to 97.10m	1	7.10	(2.20 + 2.10)/2	0.15	2.29	
	Veerasagara Mn Rd, RHS 1st cross						
	Ch:0.0m to 30.00m	1	30.00	(3.10 + 3.10)/2	0.15	13.95	
	Ch:30.0m to 47.40m	1	17.40	(3.10 + 3.50)/2	0.15	8.61	
					Present Qty	**53.65**	**Cum**

CRFC

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

18/10/2020

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ಯಲಹಂಕ ನೂತನ ಉಪವಿಭಾಗ.
Asst. Exec. Engineer.

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
13	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting						
	Asphalt Roads						
	Muneshwara Layout						
	1st A main						
	Ch:0.00m to 30.00m	1	30.00	(7.60 + 6.90)/2	0.225	48.94	
	Ch:30.00m to 60.00m	1	30.00	(6.90 + 6.60)/2	0.225	45.56	
	Ch:60.00m to 90.00m	1	30.00	(6.60 + 6.80)/2	0.225	45.23	
	Ch:90.00m to 120.00m	1	30.00	(6.80 + 5.90)/2	0.225	42.86	
	Ch:120.00m to 150.00m	1	30.00	(5.90 + 5.20)/2	0.225	37.46	
	Ch:150.00m to 180.00m	1	30.00	(5.20 + 5.60)/2	0.225	36.45	
	Ch:180.00m to 195.30m	1	15.30	(5.60 + 5.50)/2	0.225	19.11	
	6th cross Left Side						
	Ch:0.00m to 30.00m	1	30.00	(3.80 + 4.00)/2	0.225	26.33	
	Ch:30.00m to 55.30m	1	25.30	(4.00 + 3.90)/2	0.225	22.49	
	6th A cross						
	Ch:0.00m to 30.00m	1	30.00	(4.20 + 3.60)/2	0.225	26.33	
	Ch:30.00m to 60.00m	1	30.00	(3.60 + 3.80)/2	0.225	24.98	
	Ch:60.00m to 66.00m	1	6.00	(3.80 + 3.60)/2	0.225	5.00	
	6th B cross						
	Ch:0.00m to 30.00m	1	30.00	(3.60 + 3.70)/2	0.225	24.64	

Contractor

NEWZEN CONSULTANT Consultant Bang

Asst. Engineer

21/10/2020

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:150.00m to 180.00m	1	30.00	$\frac{6.60 + 7.00}{2}$	0.225	45.90	
	Ch:180.00m to 194.30m	1	14.30	$\frac{7.00 + 7.20}{2}$	0.225	22.84	
	Rallies Colony						
	6th A main						
	Ch:0.00m to 30.00m	1	30.00	$\frac{5.60 + 5.10}{2}$	0.225	36.11	
	Ch:30.00m to 60.00m	1	30.00	$\frac{5.10 + 5.40}{2}$	0.225	35.44	
	Ch:60.00m to 90.00m	1	30.00	$\frac{5.40 + 5.80}{2}$	0.225	37.80	
	Ch:90.00m to 96.20m	1	6.20	$\frac{5.80 + 5.80}{2}$	0.225	8.09	
	7th A main						
	Ch:0.00m to 30.00m	1	30.00	$\frac{5.60 + 5.90}{2}$	0.225	38.81	
	Ch:30.00m to 60.00m	1	30.00	$\frac{5.90 + 5.90}{2}$	0.225	39.83	
	Ch:60.00m to 90.00m	1	30.00	$\frac{5.90 + 5.80}{2}$	0.225	39.49	
	Ch:90.00m to 120.00m	1	30.00	$\frac{5.80 + 5.00}{2}$	0.225	36.45	
	Ch:120.00m to 122.90m	1	2.90	$\frac{5.00 + 5.00}{2}$	0.225	3.26	C&FC.
					Present Qty	**1591.92**	**Cum**

Contractor

NEWZEN CONSULTANT * Consultants * Bangalore

Asst. Engineer

21/10/2020

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ಬಿ.ಡಿ.ಎ.ಬಿ. ಬೆಂಗಳೂರು-೫೬.

Asst. Exec. Engineer

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge						
	Asphalt Road						
	For BC						
	Muneshwara Layout						
	1st A main						
	Ch:0.00m to 30.00m	1	30.00	(7.60 + 6.90)/2		217.50	
	Ch:30.00m to 60.00m	1	30.00	(6.90 + 6.60)/2		202.50	
	Ch:60.00m to 90.00m	1	30.00	(6.60 + 6.80)/2		201.00	
	Ch:90.00m to 120.00m	1	30.00	(6.80 + 5.90)/2		190.50	
	Ch:120.00m to 150.00m	1	30.00	(5.90 + 5.20)/2		166.50	
	Ch:150.00m to 180.00m	1	30.00	(5.20 + 5.60)/2		162.00	
	Ch:180.00m to 195.30m	1	15.30	(5.60 + 5.50)/2		84.92	
	6th cross Left Side						
	Ch:0.00m to 30.00m	1	30.00	(3.80 + 4.00)/2		117.00	
	Ch:30.00m to 55.30m	1	25.30	(4.00 + 3.90)/2		99.94	
	6th A cross						
	Ch:0.00m to 30.00m	1	30.00	(4.20 + 3.60)/2		117.00	
	Ch:30.00m to 60.00m	1	30.00	(3.60 + 3.80)/2		111.00	
	Ch:60.00m to 66.00m	1	6.00	(3.80 + 3.60)/2		22.20	

C&FC.

Contractor

NEMZEN CONSULTANT Consultant Bangalore

Asst. Engineer

29/10/2020

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾ
ಬಿ.ಬಿ.ಎಂ.ಸಹಾಯಕ Asst. Engineer

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.						
	Asphalt Roads						
	For BC						
	Muneshwara Layout						
	1st A main						
	Ch:0.00m to 30.00m	1	30.00	(7.60 + 6.90)/2		217.50	
	Ch:30.00m to 60.00m	1	30.00	(6.90 + 6.60)/2		202.50	
	Ch:60.00m to 90.00m	1	30.00	(6.60 + 6.80)/2		201.00	
	Ch:90.00m to 120.00m	1	30.00	(6.80 + 5.90)/2		190.50	
	Ch:120.00m to 150.00m	1	30.00	(5.90 + 5.20)/2		166.50	
	Ch:150.00m to 180.00m	1	30.00	(5.20 + 5.60)/2		162.00	
	Ch:180.00m to 195.30m	1	15.30	(5.60 + 5.50)/2		84.92	
	6th cross Left Side						
	Ch:0.00m to 30.00m	1	30.00	(3.80 + 4.00)/2		117.00	
	Ch:30.00m to 55.30m	1	25.30	(4.00 + 3.90)/2		99.94	
	6th A cross						
	Ch:0.00m to 30.00m	1	30.00	(4.20 + 3.60)/2		117.00	
	Ch:30.00m to 60.00m	1	30.00	(3.60 + 3.80)/2		111.00	
	Ch:60.00m to 66.00m	1	6.00	(3.80 + 3.60)/2		22.20	

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-56

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:60.00m to 90.00m	1	30.00	$\frac{6.70 + 6.80}{2}$		202.50	
	Ch:90.00m to 120.00m	1	30.00	$\frac{6.80 + 5.90}{2}$		190.50	
	Ch:120.00m to 150.00m	1	30.00	$\frac{5.90 + 6.60}{2}$		187.50	
	Ch:150.00m to 180.00m	1	30.00	$\frac{6.60 + 7.00}{2}$		204.00	
	Ch:180.00m to 194.30m	1	14.30	$\frac{7.00 + 7.20}{2}$		101.53	
	Rallies Colony						
	6th A main						
	Ch:0.00m to 30.00m	1	30.00	$\frac{5.60 + 5.10}{2}$		160.50	
	Ch:30.00m to 60.00m	1	30.00	$\frac{5.10 + 5.40}{2}$		157.50	
	Ch:60.00m to 90.00m	1	30.00	$\frac{5.40 + 5.80}{2}$		168.00	
	Ch:90.00m to 96.20m	1	6.20	$\frac{5.80 + 5.80}{2}$		35.96	
	7th A main						
	Ch:0.00m to 30.00m	1	30.00	$\frac{5.60 + 5.90}{2}$		172.50	
	Ch:30.00m to 60.00m	1	30.00	$\frac{5.90 + 5.90}{2}$		177.00	
	Ch:60.00m to 90.00m	1	30.00	$\frac{5.90 + 5.80}{2}$		175.50	
	Ch:90.00m to 120.00m	1	30.00	$\frac{5.80 + 5.00}{2}$		162.00	
	Ch:120.00m to 122.90m	1	2.90	$\frac{5.00 + 5.00}{2}$		14.50	
					Present Qty	**7075.19**	**Sqm**

CW FC

Contractor

NEMZEN CONSULTANT * Consultant * Bangalore

Asst. Engineer

25/11/2020

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಡಿ.ಎ. ಬೆಂಗಳೂರು

Asst. Exec. Engineer

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Sl No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300-3 Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification									
	Vide Premeasurement page no.						2437.61			
						Present Qty	**2437.61**	**Cum**	**244.84**	**596826.00**
2	KSRB 4-1.2 Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation									
	Vide Premeasurement page no.						406.27			
						Present Qty	**406.27**	**Cum**	**5780.37**	**2348386.00**
3	KSRB 4.2.2 Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not									
	Vide Premeasurement page no.						796.83			
						Present Qty	**796.83**	**Cum**	**6297.87**	**5018332.00**
4	KSRB 4-6.4 Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications									
	Vide Premeasurement page no.						6261.84			
						Present Qty	**6261.84**	**Sqm**	**398.42**	**2494843.00**
5	KSRB 4.9.2 Providing T.M.T Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be									
	Vide Premeasurement page no.						48.23			
						Present Qty	**48.23**	**Ton**	**78977.64**	**3808721.00**

Contractor

NEWZEN CONSULTANTS Consultant Bangalore

Asst. Engineer

5/11/2020

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.									
	RCC Drain									
	Muneshwara layout									
	1st A main									
	LHS									
	Ch:0.00m to 30.00m		1	30.00	0.75		22.50			
	Ch:30.00m to 60.00m		1	30.00	0.75		22.50			
	Ch:60.00m to 61.20m		1	1.20	0.75		0.90			
	Culvert Gap									
	Ch:61.20m to 89.50m		1	28.30	0.75		21.23			
	Culvert Gap									
	Ch:89.50m to 113.40m		1	23.90	0.75		17.93			
	RHS									
	Ch:0.00m to 30.00m		1	30.00	0.75		22.50			
	Ch:30.00m to 60.00m		1	30.00	0.75		22.50			
	Ch:60.00m to 90.00m		1	30.00	0.75		22.50			
	Ch:90.00m to 119.40m		1	29.40	0.75		22.05			
	1st main from Dead End									
	RHS									
	Ch:0.00m to 30.00m		1	30.00	0.75		22.50			
	Ch:30.00m to 60.00m		1	30.00	0.75		22.50			
	Ch:60.00m to 77.90m		1	17.90	0.75		13.43			
	Culvert Gap									
	Ch:77.90m to 104.40m		1	26.50	0.75		19.88			
	Culvert Gap									
	Ch:104.4m to 130.30m		1	25.90	0.75		19.43			
	Culvert Gap									
	Ch:130.30m to 159.00m		1	28.70	0.75		21.53			
	Culvert Gap									
	Ch:159.00m to 186.00m		1	27.00	0.75		20.25			
	Culvert Gap									
	Ch:186.00m to 215.40m		1	29.40	0.75		22.05			
	Culvert Gap									
	Ch:215.40m to 245.40m		1	30.00	0.75		22.50			
	Ch:245.40m to 275.40m		1	30.00	0.75		22.50			
	Ch:275.40m to 305.40m		1	30.00	0.75		22.50			
	Ch:305.40m to 305.90m		1	0.50	0.75		0.38			
	Santoshnagar									
	5th cross, LHS									
	Ch:0.00m to 30.00m		1	30.00	0.75		22.50			
	Ch:30.00m to 60.00m		1	30.00	0.75		22.50			

Contractor

NGWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

5/11/2020

Asst. Exec. Enginee

5/11/2020

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch: 0.0 to10.70m		1	10.70	0.75		8.03			
	Ch: 10.70 to 18.90m		1	8.20			0.00			
	Ch: 18.90 to 28.70m		1	9.80	0.75		7.35			
	Ch: 28.0 to 36.40m		1	7.70			0.00			
	Ch: 36.40 to 47.70m		1	11.30	0.75		8.48			
	Ch: 47.70 to 57.00m		1	9.30			0.00			
	Ch: 57.0 to 73.70m		1	16.70	0.75		12.53			
	2nd cross to 3rd cross, LHS									
	Ch: 0.0 to18.70m		1	18.70	0.75		14.03			
	Ch: 18.70 to 41.00m		1	22.30			0.00			
	Ch: 41.00 to 68.50m		1	27.50	0.75		20.63			
	7th main, 2nd cross to 1st cross, RHS									
	Ch: 0.0 to 28.80m		1	28.80	0.90		25.92			
	Ch: 28.80 to 48.10m		1	19.30			0.00			
	Ch: 48.10 to 57.10m		1	9.00	0.90		8.10			
	1st cross to 2nd cross, LHS									
	Ch: 0.0 to 13.60m		1	13.60	0.90		12.24			
	Ch: 13.60 to 19.70m		1	6.10			0.00			
	Ch: 19.0 to 29.70m		1	10.00	0.90		9.00			
	Ch: 29.70 to 39.40m		1	9.70			0.00			
	Ch: 39.04 to 57.80m		1	18.40	0.90		16.56			
	7th main, 1st cross to Sandeep Unnikrishnan Road, RHS									
	Ch: 0.0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30.0 to 46.60m		1	16.60	0.90		14.94			
	Ch: 46.60 to 49.10m		1	2.50			0.00			
	Ch: 49.10 to 60.20m		1	11.10	0.90		9.99			
	Sandeep Unnikrishnan Road to 1st cross, LHS									
	Ch: 0.0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30.0 to 46.90m		1	16.90	0.90		15.21			
	Ch: 46.90 to 52.20m		1	5.30			0.00			
	Ch: 52.20 to 61.30m		1	9.10	0.90		8.19			
	8th main, 1st cross to Sandeep Unnikrishnan Road, LHS									
	Ch: 0.0 to 30.0m		1	30.00	0.75		22.50			
	Ch: 30.0 to 60.0m		1	30.00	0.75		22.50			
	Sandeep Unnikrishnan Road to 1st cross, RHS									
	Ch: 0.0 to 30.0m		1	30.00	0.75		22.50			
	Ch: 30.0 to 40.30m		1	10.30			0.00			
	Ch: 40.30 to 52.20m		1	11.90	0.75		8.93			
	8th main, 2nd cross to 1st cross, LHS									
	Ch: 0.0 to 30.0m		1	30.00	0.75		22.50			
	Ch: 30.0 to 57.30m		1	27.30	0.75		20.48			
	1st cross to 2nd cross, RHS									
	Ch: 0.0 to 20.10m		1	20.10	0.75		15.08			
	Ch: 20.10 to 23.80m		1	3.70			0.00			
	Ch: 23.80 to 38.0m		1	14.20	0.75		10.65			
	Ch: 38.0 to 45.60m		1	7.60			0.00			
	Ch: 45.60 to 57.60m		1	12.00	0.75		9.00			
							1747.79	**Sqm**	**2199.54**	**3844324.00**

Contractor

NEMZEN CONSULTANT * K.R Consultant * Bangalore *

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer
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Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
7	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.								
	Vide Premeasurement page no.					89.42			
	Present Qty					**89.42**	**Cum**	**159.23**	**14239.00**
8	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.								
	Vide Premeasurement page no.					2012.23			
	Present Qty					**2012.23**	**Cum**	**145.79**	**293363.00**
9	KSRRB M600-1. Construction of dry lean cement concrete mix CC1 5 10 with OPC cement @160Kgs, with 25mm and down sizegraded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15 1.								
	Vide Premeasurement page no.					53.65			
	Present Qty					**53.65**	**Cum**	**3989.72**	**214060.00**
13	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and								
	Vide Premeasurement page no.					1591.92			
	Present Qty					**1591.92**	**Cum**	**2101.14**	**3344840.00**
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the								
	Vide Premeasurement page no.					7075.19			
	Present Qty					**7075.19**	**Sqm**	**37.84**	**267726.00**
15	KSRRB M500-11. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction								
	Vide Premeasurement page no.					353.76			
	Present Qty					**353.76**	**Cum**	**6550.49**	**2317297.00**
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of								
	Vide Premeasurement page no.					7075.19			
	Present Qty					**7075.19**	**Sqm**	**15.58**	**110232.00**

NEMZEN CONSULTANT Consultant Bangalore

Contractor

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer
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Name of Work: Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
10	KSRRB M600-2 Cement Concrete Pavement :- Construction of un- reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103-1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS 383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. MORTH Specification No. 602 - with M30 @ 360 Kg/cum Cement, C A, 0.69 cum F.A. 0.46 cum								
	CC Road								
	Muneshwara layout leadoff road								
	Ch:0.0m to 30.00m	1	30.00	(2.20 + 2.20)/2	0.15	9.90			
	Ch:30.0m to 60.00m	1	30.00	(2.20 + 2.00)/2	0.15	9.48			
	Ch:60.0m to 90.00m	1	30.00	(2.00 + 2.20)/2	0.15	9.45			
	Ch:90.0m to 97.10m	1	7.10	(2.20 + 2.10)/2	0.15	2.29			
	Veerasagara Mn Rd, RHS 1st cross								
	Ch:0.0m to 30.00m	1	30.00	(3.10 + 3.10)/2	0.15	13.95			
	Ch:30.0m to 47.40m	1	17.40	(3.10 + 3.50)/2	0.15	8.61			
					Present Qty	**53.65**	**Cum**	**6140.95**	**329479.00**

QFC

Contractor

NEMZEN CONSULTANT Consultant Bangalore

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer
ಬ.ಬ.ಪಾ.ಪ. ಬೆಂಗಳೂರು

Name of Work: Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
17	KSRRB M500- 19 Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.								
	Asphalt Roads								
	Muneshwara Layout								
	1st A main								
	Ch:0.00m to 30.00m	1	30.00	$\frac{7.60 + 6.90}{2}$	0.04	8.70			
	Ch:30.00m to 60.00m	1	30.00	$\frac{6.90 + 6.60}{2}$	0.04	8.10			
	Ch:60.00m to 90.00m	1	30.00	$\frac{6.60 + 6.80}{2}$	0.04	8.04			
	Ch:90.00m to 120.00m	1	30.00	$\frac{6.80 + 5.90}{2}$	0.04	7.62			
	Ch:120.00m to 150.00m	1	30.00	$\frac{5.90 + 5.20}{2}$	0.04	6.66			
	Ch:150.00m to 180.00m	1	30.00	$\frac{5.20 + 5.60}{2}$	0.04	6.48			
	Ch:180.00m to 195.30m	1	15.30	$\frac{5.60 + 5.50}{2}$	0.04	3.40			
	6th cross Left Side								
	Ch:0.00m to 30.00m	1	30.00	$\frac{3.80 + 4.00}{2}$	0.04	4.68			
	Ch:30.00m to 55.30m	1	25.30	$\frac{4.00 + 3.90}{2}$	0.04	4.00			
	6th A cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{4.20 + 3.60}{2}$	0.04	4.68			
	Ch:30.00m to 60.00m	1	30.00	$\frac{3.60 + 3.80}{2}$	0.04	4.44			
	Ch:60.00m to 66.00m	1	6.00	$\frac{3.80 + 3.60}{2}$	0.04	0.89			
	6th B cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{3.60 + 3.70}{2}$	0.04	4.38			
	Ch:30.00m to 60.00m	1	30.00	$\frac{3.70 + 4.00}{2}$	0.04	4.62			
	Ch:60.00m to 90.00m	1	30.00	$\frac{4.00 + 3.50}{2}$	0.04	4.50			

Contractor

NEWZEN CONSULTANT ★ Consultant ★ Bangalore

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch:90.00m to 94.70m	1	4.70	$\frac{3.50 + 3.70}{2}$	0.04	0.68			
	1st cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{4.80 + 4.20}{2}$	0.04	5.40			
	Ch:30.00m to 44.20m	1	14.20	$\frac{4.20 + 4.70}{2}$	0.04	2.53			
	2nd cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{4.10 + 3.70}{2}$	0.04	4.68			
	Ch:30.00m to 44.50m	1	14.50	$\frac{3.70 + 4.20}{2}$	0.04	2.29			
	3rd cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{4.30 + 4.50}{2}$	0.04	5.28			
	Ch:30.00m to 43.80m	1	13.80	$\frac{4.50 + 4.60}{2}$	0.04	2.51			
	4th cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{4.10 + 3.90}{2}$	0.04	4.80			
	Ch:30.00m to 43.90m	1	13.90	$\frac{3.90 + 4.60}{2}$	0.04	2.36			
	5th cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{4.40 + 3.70}{2}$	0.04	4.86			
	Ch:30.00m to 46.50m	1	16.50	$\frac{3.70 + 3.20}{2}$	0.04	2.28			
	7th cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{3.70 + 3.90}{2}$	0.04	4.56			
	Ch:30.00m to 60.00m	1	30.00	$\frac{3.90 + 3.60}{2}$	0.04	4.50			
	Ch:60.00m to 90.00m	1	30.00	$\frac{3.60 + 4.60}{2}$	0.04	4.92			
	Ch:60.00m to 94.80m	1	4.80	$\frac{4.60 + 5.00}{2}$	0.04	0.92			
	7th A cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{3.00 + 2.80}{2}$	0.04	3.48			
	Ch:30.00m to 60.00m	1	30.00	$\frac{2.80 + 4.30}{2}$	0.04	4.26			
	Ch:60.00m to 60.20m	1	0.20	$\frac{4.30 + 4.30}{2}$	0.04	0.03			
	7th B cross								
	Ch:0.00m to 30.00m	1	30.00	$\frac{5.10 + 4.30}{2}$	0.04	5.64			

C&FC

NEMZEN CONSULTANT ★ Bangalore ★ Consultant K-R

Contractor

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch:30.00m to 44.80m	1	14.80	4.30 + 4.20 / 2	0.04	2.52			
	7th C cross								
	Ch:0.00m to 23.00m	1	23.00	3.50 + 3.50 / 2	0.04	3.22			
	7th D cross								
	Ch:0.00m to 30.00m	1	30.00	3.50 + 3.50 / 2	0.04	4.20			
	Ch:30.00m to 35.50m	1	5.50	3.50 + 3.50 / 2	0.04	0.77			
	Tirumalanagar								
	Cross Road								
	Ch:0.00m to 30.00m	1	30.00	8.10 + 5.30 / 2	0.04	8.04			
	Ch:30.00m to 60.00m	1	30.00	5.30 + 5.00 / 2	0.04	6.18			
	Ch:60.00m to 90.00m	1	30.00	5.00 + 5.90 / 2	0.04	6.54			
	Ch:90.00m to 101.20m	1	11.20	5.90 + 7.30 / 2	0.04	2.96			
	7th cross								
	Ch:0.00m to 30.00m	1	30.00	7.30 + 7.20 / 2	0.04	8.70			
	Ch:30.00m to 60.00m	1	30.00	7.20 + 6.70 / 2	0.04	8.34			
	Ch:60.00m to 90.00m	1	30.00	6.70 + 6.80 / 2	0.04	8.10			
	Ch:90.00m to 120.00m	1	30.00	6.80 + 5.90 / 2	0.04	7.62			
	Ch:120.00m to 150.00m	1	30.00	5.90 + 6.60 / 2	0.04	7.50			
	Ch:150.00m to 180.00m	1	30.00	6.60 + 7.00 / 2	0.04	8.16			
	Ch:180.00m to 194.30m	1	14.30	7.00 + 7.20 / 2	0.04	4.06			
	Rallies Colony								
	6th A main								
	Ch:0.00m to 30.00m	1	30.00	5.60 + 5.10 / 2	0.04	6.42			
	Ch:30.00m to 60.00m	1	30.00	5.10 + 5.40 / 2	0.04	6.30			
	Ch:60.00m to 90.00m	1	30.00	5.40 + 5.80 / 2	0.04	6.72			
	Ch:90.00m to 96.20m	1	6.20	5.80 + 5.80 / 2	0.04	1.44	C&FC		

CFC

Contractor

KENZEN CONSULTANT * Consultant * Bangalore *

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	7th A main								
	Ch:0.00m to 30.00m	1	30.00	(5.60 + 5.90) / 2	0.04	6.90			
	Ch:30.00m to 60.00m	1	30.00	(5.90 + 5.90) / 2	0.04	7.08			
	Ch:60.00m to 90.00m	1	30.00	(5.90 + 5.80) / 2	0.04	7.02			
	Ch:90.00m to 120.00m	1	30.00	(5.80 + 5.00) / 2	0.04	6.48			
	Ch:120.00m to 122.90m	1	2.90	(5.00 + 5.00) / 2	0.04	0.58			
					Present Qty	**283.01**	**Cum**	**8656.09**	**2449738.00**

05/11/2020

Contractor

NEWZEN CONSULTANT * Consultant * Bangalore *

Asst. Engineer

5/11/2020

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Asst. Exec. Engineer

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
18	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The								
	Asphalt Roads								
	Muneshwara Layout								
	1st A main								
	Ch:0.00m to 30.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:30.00m to 60.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:60.00m to 90.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:90.00m to 120.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:120.00m to 150.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:150.00m to 180.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:180.00m to 195.30m	2	15.30	(0.10 + 0.10)/2		3.06			
	6th cross Left Side								
	Ch:0.00m to 30.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:30.00m to 55.30m	2	25.30	(0.10 + 0.10)/2		5.06			
	6th A cross								
	Ch:0.00m to 30.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:30.00m to 60.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:60.00m to 66.00m	2	6.00	(0.10 + 0.10)/2		1.20			
	6th B cross								
	Ch:0.00m to 30.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:30.00m to 60.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:60.00m to 90.00m	2	30.00	(0.10 + 0.10)/2		6.00			
	Ch:90.00m to 94.70m	2	4.70	(0.10 + 0.10)/2		0.94	CUM		

Contractor

NEWZEN CONSULTANT K.R Consultant Bangalore

Asst. Engineer

11/11/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭ
Asst. Exec. Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch:60.00m to 90.00m	2	30.00	0.10 + 0.10 / 2		6.00			
	Ch:90.00m to 120.00m	2	30.00	0.10 + 0.10 / 2		6.00			
	Ch:120.00m to 122.90m	2	2.90	0.10 + 0.10 / 2		0.58			
					Present Qty	**296.20**	**Sqm**	**477.43**	**141413.00**

Contractor

NEWZEN CONSULTANT
Consultant
Bangalore

Asst. Engineer

11/11/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿ
ಯಲಹಂಕ ಉಪನಗರ ಉಪ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು
Asst. Exec. Engr.

Name of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

Measurement Recorded On:

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
E1	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge									
	CULVERT									
	Muneshwara layout									
	1st main, RHS from End									
			1	5.00	1.50		7.50			
			1	4.20	1.50		6.30			
			1	3.80	1.50		5.70			
			1	5.50	1.50		8.25			
			1	4.20	1.50		6.30			
			1	5.00	1.50		7.50			
						Present Qty	**41.55**	**Sqm**	**5688.36**	**236352.00**
								Total		**27857241.00**
								GST 12%		**3342868.92**
								Grand Total		**31200109.92**

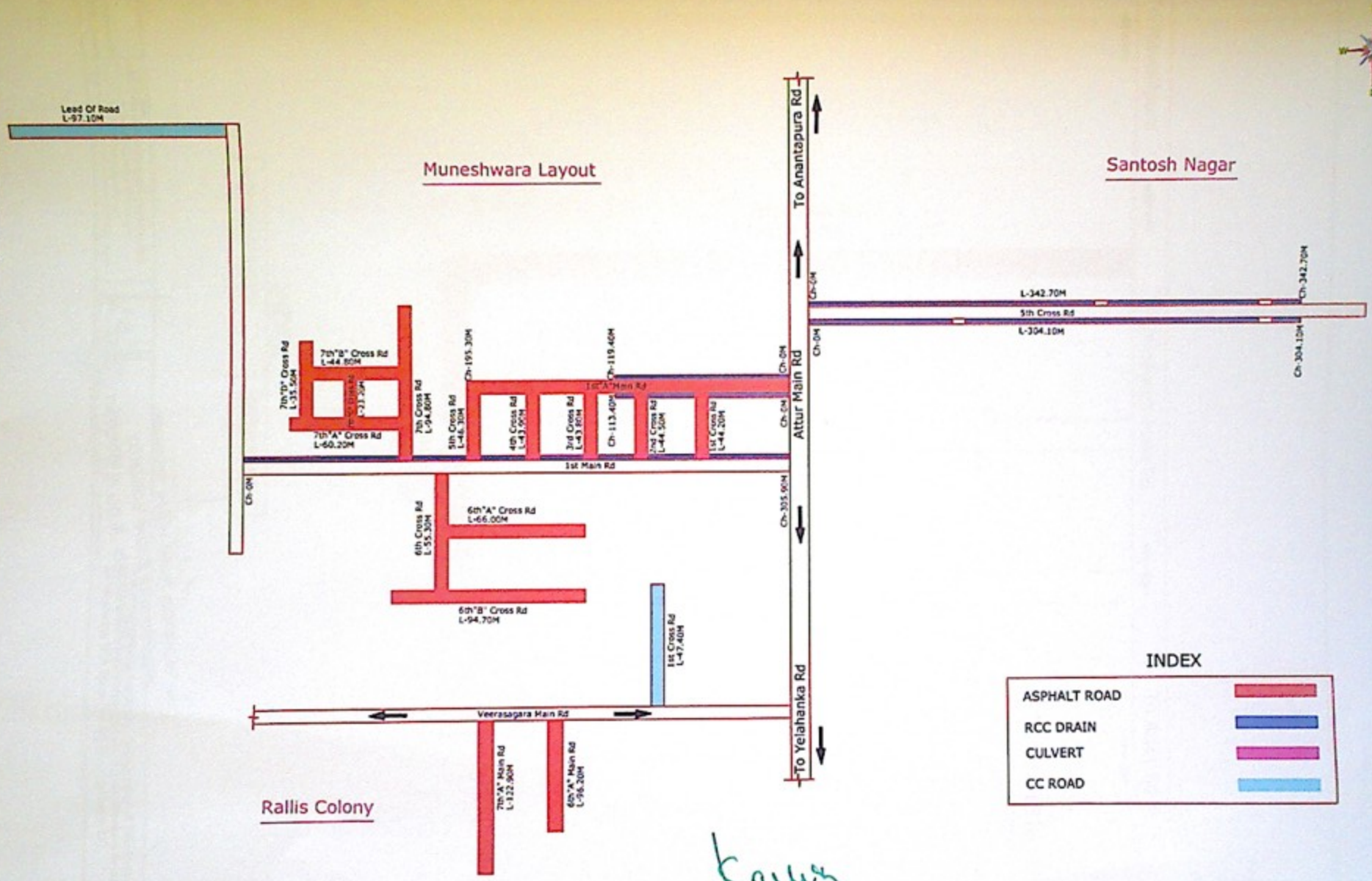
Contractor

NEWZEN CONSULTANT K.R Consultant Bangalore

Asst. Engineer

12/11/2020.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ
ಯಲಹಂಕ ನಾಡಪ್ರಭು ಕೆಂಪೇಗೌ
Asst. Exec. Engineer
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10



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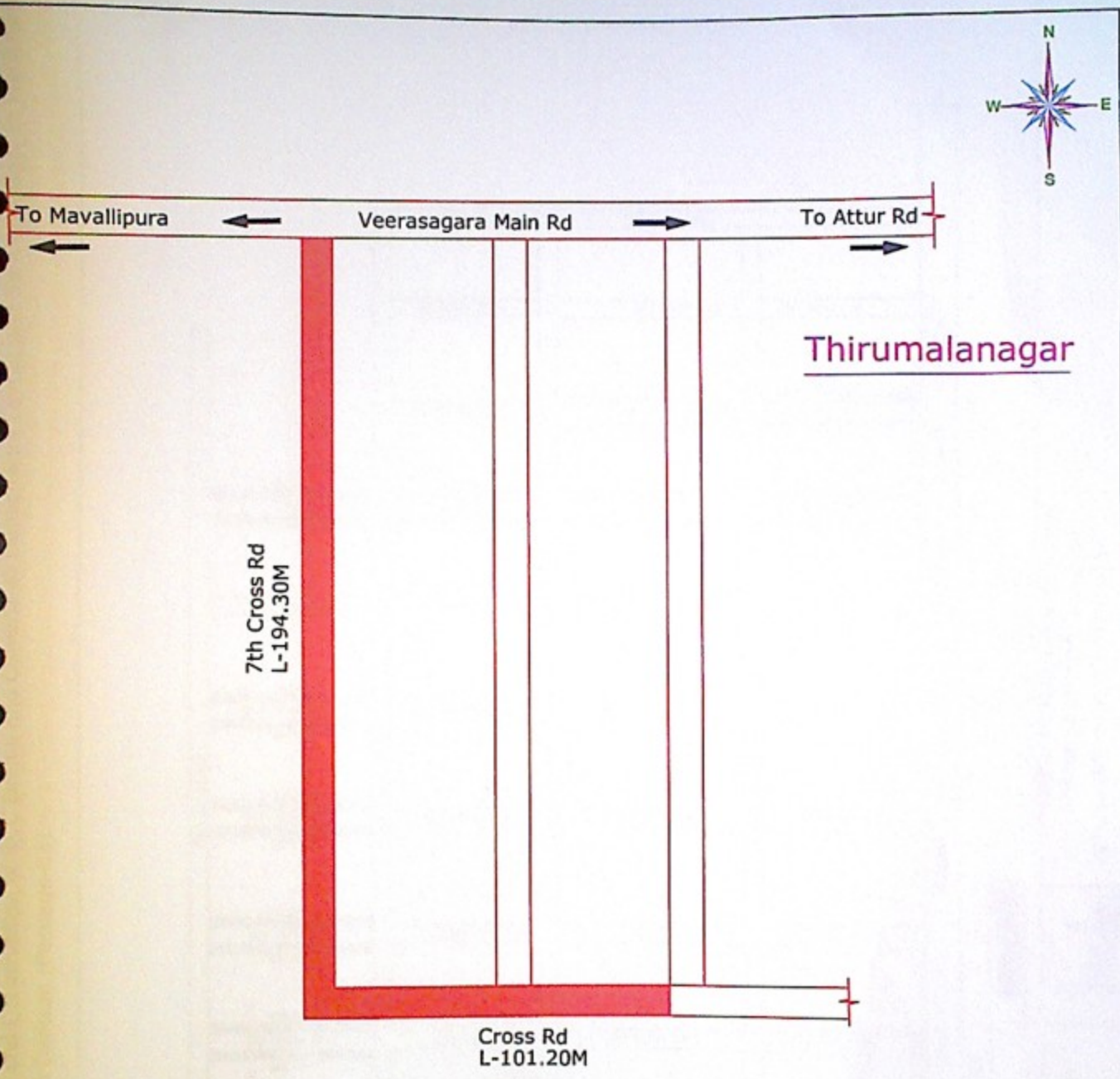
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-64

CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231, E-mail;kumar.vinay631@gmail.com	Assitante Engineer	Assistante Executive Engineer	Executive Engineer	Improvements to Roads and Construction of RCC Drains and Culverts at Muneshwaralayout and Santhoshnagara in Ward No-03 of Yelahanka New Town Sub Division (Package-03)	Scale: N.T.S Date Dwg No: Rev: R0



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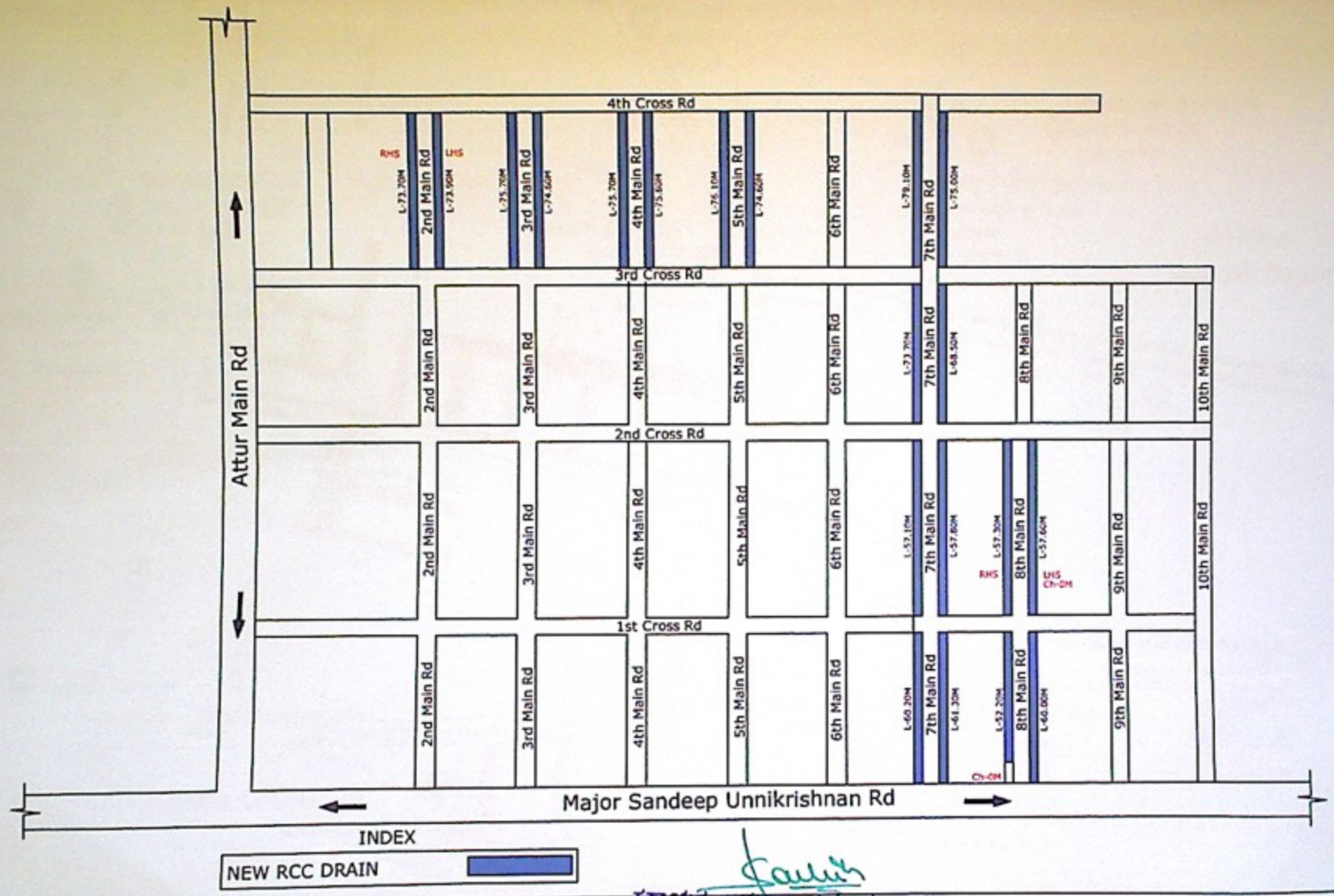
ASPHALT ROAD

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ ಎ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
12/11/2021 ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು.
Executive Engineer

CONSULTANT:
NEWZEN CONSULTANTS BANGALORE
#13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR,
JNANA BHARATHI, BANGALORE-560 056
PH-8792620231, E-mail:kumar.shreyas31@gmail.com

Improvements to Roads and Construction of RCC Drains and ... in Ward No-03 of Yelahanka New Town Sub Division (Package-03)

NAME OF WORK- Improvements to Roads and Construction of RCC Drains and Culverts at Muneshwara Layout and Santhoshnagar in Ward no-03
Yelahanka New Town sub Division (Package-03)



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NEW RCC DRAIN

CLIENT:
BRUHAT BANGALORE MAHANAGARA PALIKE

CONSULTANT:-
NEWZEN CONSULTANTS BANGALORE
#13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR,
JNANA BHARATHI, BANGALORE-560 056
PH-8792620231, E-mail;kumar.vinay631@gmail.com

Assitante Engineer | Assitante Executive Engineer | Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬೆಂಗಳೂರು-೫೬

Scale; N.T.S
Date
Dwg no:
Rev: R0

CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231, E-mail,kumar.vinay631@gmail.com	Assistant Engineer / Assistant Executive Engineer / Executive Engineer	Improvements to Roads and Construction of RCC Drains and Culverts at Muneshwaralayout and Santhoshnagara in Ward No-03 of Yelahanka New Town Sub Division (Package-03)

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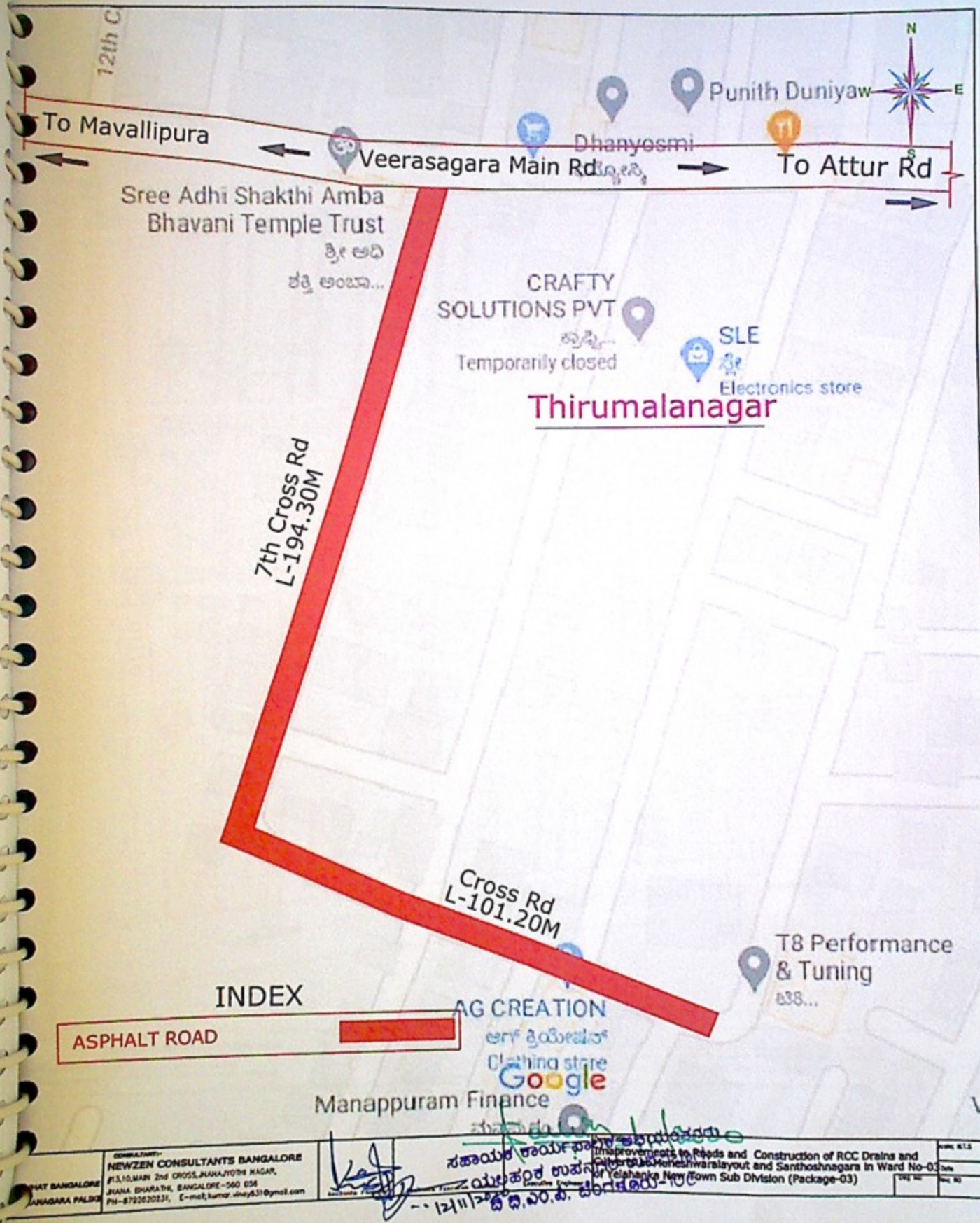

NEWZEN CONSULTANTS BANGALORE

Improvements to Roads and Construction of RCC Drains and Culverts at Maheshwaralayout and Santhoshnagara in Ward No-03 of Yelahanka New Town Sub Division (Package-03)

NEWZEN CONSULTANTS BANGALORE

Improvement to Roads and Construction of RCC Drains and Culverts at Nuneshwara Layout and Santhoshnagar in Ward no-03 Yelahanka New Town sub Division (Package-03)